

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/088,548

DATE: 04/12/2002

TIME: 09:26:43

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\04122002\J088548.raw

L:8 M:270 C: Current Application Number differs, Replaced Current Application No  
L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:0 M:201 W: Mandatory field data missing, <130> FILE REFERENCE

CRF Errors Corrected by the STIC System Branch

Serial Number: 101088, 9

Processing Date: 4/12/02  
Edited by: DC  
Verified by: DC (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



PCT10

## RAW SEQUENCE LISTING

DATE: 04/12/2002

PATENT APPLICATION: US/10/088,548

TIME: 09:26:42

Input Set : A:\PTO.DC.txt

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```

4 <110> APPLICANT: Mogam Biotechnology Research Institute et al
6 <120> TITLE OF INVENTION: A NOVEL ANGIOGENESIS INHIBITOR
C--> 8 <140> CURRENT APPLICATION NUMBER: US/10/088,548
C--> 8 <141> CURRENT FILING DATE: 2002-03-15
W--> 0 <130> FILE REFERENCE:
      8 <160> NUMBER OF SEQ ID NOS: 14
10 <170> SOFTWARE: KOPATIN 1.5
12 <210> SEQ ID NO: 1
13 <211> LENGTH: 924
14 <212> TYPE: DNA
15 <213> ORGANISM: Homo sapiens
17 <400> SEQUENCE: 1
18 aaaagccctg ttgtccagga ttgctaccat ggtgatggac ggagttatcg aggcatatcc      60
20 tccaccactg tcacaggaag gacctgtcaa tcttggtcat ctatgatacc acactggcat      120
22 cagaggaccc cagaaaaacta cccaaatgct ggcctgaccg agaactactg caggaatcca      180
24 gattctggga aacaaccctg gtgttacaca accgatccgt gtgtgagggtg ggagtactgc      240
26 aatctgacac aatgtctcaga aacagaatca ggtgtcctag agactcccac tgttgttcca      300
28 gttccaagca tggaggctca ttctgaagca gcaccaactg agcaaacccc tgtggtccgc      360
30 cagtgtctacc atggcaatgg ccagagttat cgaggcacat tctccaccac tgtcacagga      420
32 aggacatgtc aatcttggtc atccatgaca ccacaccggc atcagaggac cccagaaaac      480
34 taccctaatg atggcctgac aatgaactac tgcaggaatc cagatgccga tacaggccct      540
36 tgggtgttta ccacggaccc cagcatcagg tgggagtact gcaacctgac gcgatgctca      600
38 gacacagaag ggactgtggt cgctcctccg actgtcatcc aggttccaag cctagggcct      660
40 ccttctgaac aagactgtat gtttggggaat gggaaaggat accggggcaa gaaggcaacc      720
42 actgttactg ggacgccatg ccaggaatgg gctgcccagg agccccatag acacagcacg      780
44 ttcatccag ggacaaataa atgggcaggt ctggaaaaaa attactgccg taaccctgat      840
46 ggtgacatca atggtccctg gtgctacaca atgaatccaa gaaaactttt tgactactgt      900
48 gatatccctc tctgtgcac cttct
51 <210> SEQ ID NO: 2
52 <211> LENGTH: 308
53 <212> TYPE: PRT
54 <213> ORGANISM: Homo sapiens
56 <400> SEQUENCE: 2
57 Lys Ser Pro Val Val Gln Asp Cys Tyr His Gly Asp Gly Arg Ser Tyr
58   1               5               10               15
60 Arg Gly Ile Ser Ser Thr Thr Val Thr Gly Arg Thr Cys Gln Ser Trp
61               20               25               30
63 Ser Ser Met Ile Pro His Trp His Gln Arg Thr Pro Glu Asn Tyr Pro
64               35               40               45
66 Asn Ala Gly Leu Thr Glu Asn Tyr Cys Arg Asn Pro Asp Ser Gly Lys
67   50               55               60
69 Gln Pro Trp Cys Tyr Thr Thr Asp Pro Cys Val Arg Trp Glu Tyr Cys
70   65               70               75               80

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72 Asn Leu Thr Gln Cys Ser Glu Thr Glu Ser Gly Val Leu Glu Thr Pro
73      85      90      95
75 Thr Val Val Pro Val Pro Ser Met Glu Ala His Ser Glu Ala Ala Pro
76      100      105      110
78 Thr Glu Gln Thr Pro Val Val Arg Gln Cys Tyr His Gly Asn Gly Gln
79      115      120      125
81 Ser Tyr Arg Gly Thr Phe Ser Thr Thr Val Thr Gly Arg Thr Cys Gln
82      130      135      140
84 Ser Trp Ser Ser Met Thr Pro His Arg His Gln Arg Thr Pro Glu Asn
85 145      150      155      160
87 Tyr Pro Asn Asp Gly Leu Thr Met Asn Tyr Cys Arg Asn Pro Asp Ala
88      165      170      175
90 Asp Thr Gly Pro Trp Cys Phe Thr Thr Asp Pro Ser Ile Arg Trp Glu
91      180      185      190
93 Tyr Cys Asn Leu Thr Arg Cys Ser Asp Thr Glu Gly Thr Val Val Ala
94      195      200      205
96 Pro Pro Thr Val Ile Gln Val Pro Ser Leu Gly Pro Pro Ser Glu Gln
97      210      215      220
99 Asp Cys Met Phe Gly Asn Gly Lys Gly Tyr Arg Gly Lys Lys Ala Thr
100 225      230      235      240
102 Thr Val Thr Gly Thr Pro Cys Gln Glu Trp Ala Ala Gln Glu Pro His
103      245      250      255
105 Arg His Ser Thr Phe Ile Pro Gly Thr Asn Lys Trp Ala Gly Leu Glu
106      260      265      270
108 Lys Asn Tyr Cys Arg Asn Pro Asp Gly Asp Ile Asn Gly Pro Trp Cys
109      275      280      285
111 Tyr Thr Met Asn Pro Arg Lys Leu Phe Asp Tyr Cys Asp Ile Pro Leu
112      290      295      300
114 Cys Ala Ser Ser
115 305
118 <210> SEQ ID NO: 3
119 <211> LENGTH: 273
120 <212> TYPE: DNA
121 <213> ORGANISM: Homo sapiens
123 <400> SEQUENCE: 3
124 aaaagccctg tgggccagga ttgctacat ggtgatggac ggagttatcg aggcataatcc      60
126 tccaccactg tcacaggaag gacctgtcaa tcttggtcat ctatgatacc acactggcat      120
128 cagaggaccc cagaaaacta cccaaatgct ggcctgaccg agaactactg caggaatcca      180
130 gattctggga aacaacctg gtgttacaca accgatccgt gtgtgaggtg ggagtactgc      240
132 aatctgacac aatgctcaga aacagaatca ggt                                273
135 <210> SEQ ID NO: 4
136 <211> LENGTH: 91
137 <212> TYPE: PRT
138 <213> ORGANISM: Homo sapiens
140 <400> SEQUENCE: 4
141 Lys Ser Pro Val Val Gln Asp Cys Tyr His Gly Asp Gly Arg Ser Tyr
142 1      5      10      15
144 Arg Gly Ile Ser Ser Thr Thr Val Thr Gly Arg Thr Cys Gln Ser Trp
145      20      25      30

```

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```

147 Ser Ser Met Ile Pro His Trp His Gln Arg Thr Pro Glu Asn Tyr Pro
148          35          40          45
150 Asn Ala Gly Leu Thr Glu Asn Tyr Cys Arg Asn Pro Asp Ser Gly Lys
151          50          55          60
153 Gln Pro Trp Cys Tyr Thr Thr Asp Pro Cys Val Arg Trp Glu Tyr Cys
154 65          70          75          80
156 Asn Leu Thr Gln Cys Ser Glu Thr Glu Ser Gly
157          85          90
160 <210> SEQ ID NO: 5
161 <211> LENGTH: 267
162 <212> TYPE: DNA
163 <213> ORGANISM: Homo sapiens
165 <400> SEQUENCE: 5
166 gtccgccagt gctacatg caatggccag agttatcgag gcacattctc caccactgtc      60
168 acaggaagga catgtcaatc ttggtcatcc atgacaccac accggcatca gaggacccca      120
170 gaaaactacc caaatgatgg cctgacaatg aactactgca ggaatccaga tgccgataca      180
172 ggcccttggg gttttaccac ggaccccagc atcaggtggg agtactgcaa cctgacgcga      240
174 tgctcagaca cagaagggac tgtggtc                                267
177 <210> SEQ ID NO: 6
178 <211> LENGTH: 89
179 <212> TYPE: PRT
180 <213> ORGANISM: Homo sapiens
182 <400> SEQUENCE: 6
183 Val Arg Gln Cys Tyr His Gly Asn Gly Gln Ser Tyr Arg Gly Thr Phe
184 1          5          10          15
186 Ser Thr Thr Val Thr Gly Arg Thr Cys Gln Ser Trp Ser Ser Met Thr
187          20          25          30
189 Pro His Arg His Gln Arg Thr Pro Glu Asn Tyr Pro Asn Asp Gly Leu
190          35          40          45
192 Thr Met Asn Tyr Cys Arg Asn Pro Asp Ala Asp Thr Gly Pro Trp Cys
193          50          55          60
195 Phe Thr Thr Asp Pro Ser Ile Arg Trp Glu Tyr Cys Asn Leu Thr Arg
196 65          70          75          80
198 Cys Ser Asp Thr Glu Gly Thr Val Val
199          85
202 <210> SEQ ID NO: 7
203 <211> LENGTH: 258
204 <212> TYPE: DNA
205 <213> ORGANISM: Homo sapiens
207 <400> SEQUENCE: 7
208 gaacaggact gcatgtttgg gaatgggaaa ggataccggg gcaagaaggc aaccactgtt      60
210 actgggacgc catgccagga atgggctgcc caggagcccc atagacacag cacgttcatt      120
212 ccagggacaa ataaatgggc aggtctggaa aaaaattact gccgtaacct tgatggtgac      180
214 atcaatggtc cctggtgcta cacaatgaat ccaagaaaac ttttggacta ctgtgatatc      240
216 cctctctgtg catcctct
219 <210> SEQ ID NO: 8
220 <211> LENGTH: 86
221 <212> TYPE: PRT
222 <213> ORGANISM: Homo sapiens

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224 &lt;400&gt; SEQUENCE: 8

```

225 Glu Gln Asp Cys Met Phe Gly Asn Gly Lys Gly Tyr Arg Gly Lys Lys
226 1 5 10 15
228 Ala Thr Thr Val Thr Gly Thr Pro Cys Gln Glu Trp Ala Ala Gln Glu
229 20 25 30
231 Pro His Arg His Ser Thr Phe Ile Pro Gly Thr Asn Lys Trp Ala Gly
232 35 40 45
234 Leu Glu Lys Asn Tyr Cys Arg Asn Pro Asp Gly Asp Ile Asn Gly Pro
235 50 55 60
237 Trp Cys Tyr Thr Met Asn Pro Arg Lys Leu Phe Asp Tyr Cys Asp Ile
238 65 70 75 80
240 Pro Leu Cys Ala Ser Ser
241 85

```

244 &lt;210&gt; SEQ ID NO: 9

245 &lt;211&gt; LENGTH: 29

246 &lt;212&gt; TYPE: DNA

247 &lt;213&gt; ORGANISM: Artificial Sequence

249 &lt;220&gt; FEATURE:

250 &lt;223&gt; OTHER INFORMATION: single stranded oligonucleotide

252 &lt;400&gt; SEQUENCE: 9

253 tccatatgaa aagccctgtg gtccaggat

29

256 &lt;210&gt; SEQ ID NO: 10

257 &lt;211&gt; LENGTH: 33

258 &lt;212&gt; TYPE: DNA

259 &lt;213&gt; ORGANISM: Artificial Sequence

261 &lt;220&gt; FEATURE:

262 &lt;223&gt; OTHER INFORMATION: single stranded oligonucleotide

264 &lt;400&gt; SEQUENCE: 10

265 cagtccatat ggtccgccag tgctaccatg gca

33

268 &lt;210&gt; SEQ ID NO: 11

269 &lt;211&gt; LENGTH: 31

270 &lt;212&gt; TYPE: DNA

271 &lt;213&gt; ORGANISM: Artificial Sequence

273 &lt;220&gt; FEATURE:

274 &lt;223&gt; OTHER INFORMATION: single stranded oligonucleotide

276 &lt;400&gt; SEQUENCE: 11

277 ggaattccat atggaacagg actgcatgtt t

31

280 &lt;210&gt; SEQ ID NO: 12

281 &lt;211&gt; LENGTH: 26

282 &lt;212&gt; TYPE: DNA

283 &lt;213&gt; ORGANISM: Artificial Sequence

285 &lt;220&gt; FEATURE:

286 &lt;223&gt; OTHER INFORMATION: single stranded oligonucleotide

288 &lt;400&gt; SEQUENCE: 12

289 cgggatcctt aacctgattc tgtttc

26

292 &lt;210&gt; SEQ ID NO: 13

293 &lt;211&gt; LENGTH: 26

294 &lt;212&gt; TYPE: DNA

295 &lt;213&gt; ORGANISM: Artificial Sequence

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Input Set : A:\PTO.DC.txt

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297 <220> FEATURE:  
298 <223> OTHER INFORMATION: single stranded oligonucleotide  
300 <400> SEQUENCE: 13  
301 cgggatacctt agaccacagt cccttc 26  
304 <210> SEQ ID NO: 14  
305 <211> LENGTH: 23  
306 <212> TYPE: DNA  
307 <213> ORGANISM: Artificial Sequence  
309 <220> FEATURE:  
310 <223> OTHER INFORMATION: single stranded oligonucleotide  
312 <400> SEQUENCE: 14  
313 cgggatacctt aagaggatgc aca 23